(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 29 January 2004 (29.01.2004)

PCT

(10) International Publication Number WO 2004/008943 A2

(51) International Patent Classification7:

A61B

(21) International Application Number:

PCT/US2003/022340

(22) International Filing Date:

17 July 2003 (17.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/397,236

19 July 2002 (19.07.2002) US

- (71) Applicant (for all designated States except US): OS-TEOTECH, INC. [US/US]; 51 James Way, Eatontown, NJ 07724 (US).
- (72) Inventors; and
- Inventors/Applicants (for US only): BOYCE, Todd, M. [US/US]; 515 Wellington Place, Aberdeen, NJ 07747 (US). MERCADANTE, Stephen, N. [US/US]; 23 Borden Road, Middletown, NJ 07748 (US).
- (74) Agents: LILLIE, Raymond et al.; Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 (US).

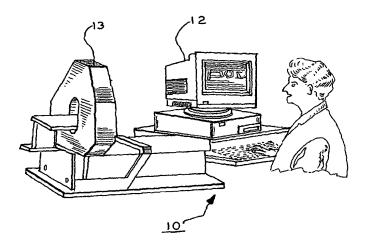
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR SELECTING BONE FOR TRANSPLANTATION



(57) Abstract: A procedure for determining a plan for cutting a bone sample for use as an implant provides scanning the bone with a CT scanning system to provide slice images of the bone. The scanning system then determines the cortical or cancellous bone dimensions and density of the bone. Determining such dimensions and density permits accurate planning and preparation of an implant graft that is correlated to the predetermined plan without waste of bone through cutting test specimens to determine the bone parameters. Other images techniques that provide slice images are also disclosed.

